



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Atsushi Miyawaki et al.
Serial No. : 09/920,922
Filed : August 2, 2001
Title : METHOD FOR MUTAGENESIS

Art Unit : 1634
Examiner : Whisennant, Ethan C

Commissioner for Patents
Washington, D.C. 20231

RECEIVED
FEB 13 2003
TECH CENTER 1600/2900

RESPONSE

In response to the action mailed August 6, 2002, please amend the application as follows:

In the claims:

Please amend claims 1 to 9 as follows:

- 1. A method for mutagenesis comprising:
- annealing one or more primers having a nucleotide sequence containing at least one mutation and a phosphorylated 5'-terminus, to a DNA template;
 - elongating the annealed primer or primers by using a DNA polymerase;
 - ligating the phosphorylated 5'-terminus and the elongated terminus of the primer or primers by means of a DNA ligase to synthesize a circular DNA containing said primer or primers;
 - denaturing the circular DNA;
 - repeating the reactions of annealing, elongating, litgating, and denaturing to amplify the circular DNA to generate DNA products including a multiple copies of a single-stranded circular DNA containing the primer or primers;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

February 3, 2003
Date of Deposit
Signature *Rose Papetti*
Rose Papetti
Typed or Printed Name of Person Signing Certificate